

AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. – 14. (Canceled without prejudice)

15. (Withdrawn) A method of insert molding a battery bolt comprising:

providing a battery bolt having a first portion and a sealing portion, wherein the sealing portion is tapered;

placing said first portion in a mold cavity;

substantially sealing a portion of the mold cavity with said sealing portion; and

injecting lead into said mold cavity to form a lead subassembly, wherein said lead is substantially retained in said mold cavity in part by said sealing portion.

16. (Withdrawn) The method of claim 15, wherein said first portion is a head portion.

17. (Withdrawn) The method of claim 15, wherein said first portion is a washer portion.

18. (Withdrawn) The method of claim 15, wherein said bolt further comprises a threaded portion that is located outside of said mold cavity.

19. – 22. (Canceled without prejudice)

23. (New) A battery terminal, said battery terminal comprising:

a bolt, wherein said bolt comprises in order

a first portion, wherein said first portion comprises a head portion integrally connected to a washer portion, wherein said washer portion includes radial projections extending there from.

a sealing portion connected to said first portion, and

a threaded portion connected to said sealing portion; and

a lead portion, wherein said lead portion is a lead casting, insert molded as molten lead around said first portion, said sealing portion preventing leakage of said molten metal from an insert mold cavity onto said threaded portion during said insert molding process.

24. (Canceled without prejudice)

25. (Currently Amended) The battery terminal of claim ~~24~~ 23, wherein said first portion further comprises a shank portion integrally connected to and disposed between both of said washer portion and said sealing portion.

26. (Previously Presented) The battery terminal of claim 23, wherein said sealing portion of said bolt has a frusto-conical shape such that a first end of said sealing portion that is connected to said shank portion has a larger diameter than a second end of said sealing portion that is connected to said threaded portion.

27. (Previously Presented) The battery terminal of claim 25, wherein said threaded portion has a smaller diameter than said shank portion.

28. (Currently Amended) The battery terminal of claim ~~24~~ 23, wherein the ratio of a height of said head portion to the thickness of said washer portion is 1.24.

29. (Canceled without prejudice)

30. (Currently Amended) The battery terminal of claim ~~29~~ 23, wherein said radial projections are semi-circular.

31. (Previously Presented) The battery terminal of claim 26, wherein an outer surface of said sealing portion has a uniform surface finish for forming a tight seal with a sealing edge of an insert mold cavity.

32. (Previously Presented) The battery terminal of claim 31, wherein said outer surface of said sealing portion forms a substantial seal, on a circumferential plane thereof, with a substantially sharp edge of an insert mold cavity during the insert molding process, so as to prevent leakage of molten metal from inside said insert mold cavity onto said threaded portion.

33. (Previously Presented) The battery terminal of claim 23, wherein said threaded portion has helical threads disposed in an outer surface thereof.

34. (Previously Presented) The battery terminal of claim 23, wherein said lead portion is contained inside of a battery cell and electrically connected to said battery cell.

35. (Previously Presented) The battery terminal of claim 23, wherein said lead portion is further insert molded as molten lead around at least a part of said sealing portion of said bolt.

36. (New) The battery bolt of claim 23, wherein the ratio of the height of said head portion to the thickness of said washer portion is between 1.0 to 3.0.